



PERFORMANCE PLUS OILS AND LUBRICANTS
PERFORMANCE UNDER THE MOST EXTREME CONDITIONS



AUTOMOTIVE ENGINE | AUTOMOTIVE DRIVELINE | HEAVY DUTY ENGINE | HEAVY DUTY DRIVELINE | HYDRAULIC | GEAR OILS | GREASES | INDUSTRIAL LUBRICANTS | ANTIFREEZE

EP GEAR OILS (HV)

Performance Plus® EP Gear Oils (HV) are premier gear oils for the industrial market, formulated with our unique base oils they stand apart from the competition in standing up to heavy load or shock loaded bearings in high pressure environments. EP Gear Oils (HV) are approved for use in all types of gears sets excluding built-in variable speed friction drives. The foundation of Performance Plus is our unique, high performance, hydro-treated High VI- KLEEN+ base oils, refined from the highest quality feed stock in the industry.

PERFORMANCE PLUS PROPERTIES		
ISO Viscosity Grade	150	220
AGMA Grade	4EP	5EP
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	142.7 14.9	208.5 18.9
Viscosity Index	105	102
Copper Corrosion	1B	1B
Demulsibility	Pass	Pass
Rust Characteristics, A&B	Pass	Pass
Specific Gravity 15.6°C (60°F)	0.876	0.880
Flash Point, °C (°F)	242 (468)	246 (475)
Pour Point, °C (°F)	-21 (-6)	-15 (5)
Color (ASTM)	L 3.5	L 3.5
Timken OK Load, lbs	65	65
FZG Stage Pass	12	12

Approvals and Specifications

Performance Plus® EP Gear Oils (HV) are suitable for use the following specifications:

AIST 224	DIN 51517 Part 3
AGMA 9005-E02	GM LS2
ISO 12925-CKC	ISO 12925-CKD

Additionally, Performance Plus EP Gear Oils (HV) meet the latest stringent requirements of leading automobile manufacturer plants, they are suitable for the following OEMs (where applicable*):

General Motors	Ford
Chrysler	Caterpillar
Toyota	Volvo
Hitachi	Okuma
Doosan	Mitsubishi
Komatsu	Okuma
Haas	Mori Seiki
Mag	Mazak
Makino	Victor

Note: Values shown above are representative of current production and may vary within modest ranges

*Information regarding recommended maintenance and equipment operating conditions can be found by referencing Original Equipment Manufacturer's (OEM) owner's manual and lubricant recommendations.



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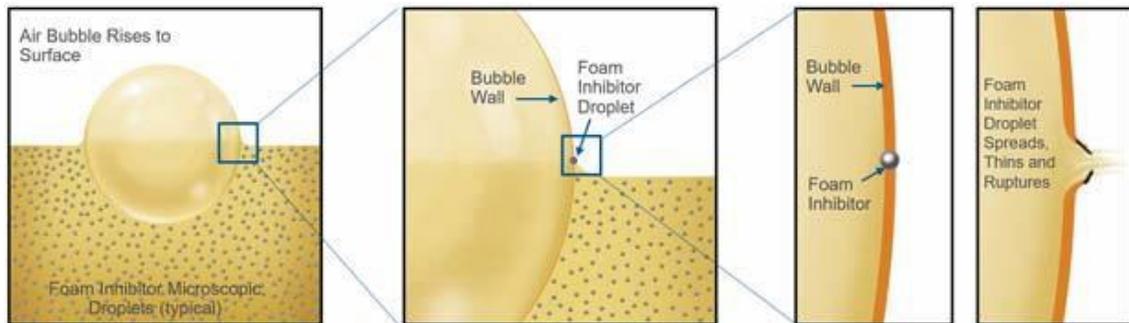
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Features and Benefits: Performance Plus EP Gear Oils (HV) are formulated for high pressure industrial gear sets and deliver performance, power and protection to meet the demands of strenuous conditions. Tested, proven, and trusted quality are why those demanding the best turn to Performance Plus and why Performance Plus EP Gear Oils (HV) products offer:

Formulated to resist foaming by maintaining film strength
 Excellent corrosion protection
 High Pressure additives
 Exceptional thermal and oxidation stability
 Compatible with common seal materials

Maintains consistent and continuous lubrication
 Extends component life and reduces downtime
 Performs under extreme operating conditions
 Extending gear and bearing life
 Reduces leaking and oil usage

Proven and Trusted: The foundation of all Performance Plus products is the tested, proven and trusted base oil which exceeds the performance of many of the major oil refiners. Our finished lubricants start at a higher level than the competition due to our formulated blend of high quality base oils and additives.



Performance Plus® EP Gear Oils(HV) contain a specialty blend of additives that enhance surface tension and maintain film strength which provides excellent resistance to foaming. The strength of the additive package will break down foaming air bubbles as quickly as they form.

Health and Safety: Information detailing health and safety can be found in the corresponding Safety Data Sheet on the Performance Plus website. Performance Plus products contain petroleum distillates and are not likely to pose any significant health or safety hazards. Gloves should be used to avoid any contact - should there be contact with skin, washing with soap and water is advised. If ingested, call a poison center or doctor - do not induce vomiting.

Storage: Performance Plus products should not be stored where the temperatures are above 140° F (60° C) or near sparks and flames. Products should be stored under cover and away from the reach of children. In case where drums cannot be under cover, they should be laid horizontally to avoid any potential contaminants.

Disposal: All efforts should be made to protect the environment. Please properly dispose of used motor oil and lubricants. Should you need any assistance please contact your sales representative for information on how Safety-Kleen's used motor oil collection services.

For additional questions, please contact your Performance Plus® Products Sales Representative.

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